

03050104-020
(Big Wateree Creek)

General Description

Watershed 03050104-020 is located in Fairfield County and consists primarily of **Big Wateree Creek** and its tributaries. The watershed occupies 37,437 acres of the Piedmont region of South Carolina. The predominant soil types consist of an association of the Wilkes-Winnsboro series. The erodibility of the soil (K) averages 0.24; the slope of the terrain averages 15%, with a range of 2-40%. Land use/land cover in the watershed includes: 87.4% forested land, 6.6% agricultural land, 4.5% scrub/shrub land, 0.8% urban land, 0.5% water, and 0.2% barren land.

Big Wateree Creek accepts the drainage of Wall Creek, Willow Swamp Branch, Gaydens Creek, Scabber Branch, and Hogfork Branch before forming an arm of Lake Wateree. There are numerous lakes and ponds (totaling 88.6 acres) in the watershed used for recreation and flood control and a total of 93.0 stream miles, all classified FW.

Water Quality

<u>Station #</u>	<u>Type</u>	<u>Class</u>	<u>Description</u>
CW-072	W	FW	BIG WATEREE CREEK AT US 21

Big Wateree Creek (CW-072) - Although there was a dissolved oxygen excursion, due to the small sample size, aquatic life use support determination is inconclusive. Recreational uses are not supported due to fecal coliform bacteria excursions.

NPDES Program

Active NPDES Facilities

RECEIVING STREAM FACILITY NAME PERMITTED FLOW @ PIPE (MGD) COMMENT	NPDES# TYPE LIMITATION (EL/WQL)
BIG WATEREE CREEK WHITE OAK CONFERENCE CENTER PIPE #: 001 FLOW: 0.06 WQL FOR BOD ₅ , NH ₃ -N, TRC, DO	SC0035980 MINOR DOMESTIC WATER QUALITY

Growth Potential

There is a low potential for growth in this rural watershed. I-77 and S.C. Hwy. 200 cross near the center of the watershed and some commercial/industrial growth may occur around the intersection. The only water and sewer service is available along S.C. Hwy. 200 from the Town of Winnsboro to I-77. Another area of minor growth is the Blackstock area north of Winnsboro on U.S. Hwy. 321.